ORDINANCE NO. 20351

AN ORDINANCE UPDATING THE GOAL 5 INVENTORY WITHIN THE EUGENE CITY LIMITS; ADOPTING THE GOAL 5 WATER RESOURCES CONSERVATION PLAN WITHIN THE EUGENE CITY LIMITS; REPEALING ORDINANCE NO. 20296; AMENDING SECTIONS 9.0500, 9.1040, 9.2751, 9.6885 9.7025, 9.7055, 9.7105, 9.7205, 9.7230, 9.7305, 9.7810, 9.8025, 9.8030, 9.8055, 9.8215, 9.8220, 9.8320, 9.8325, 9.8415, 9.8460, 9.8465, 9.8470, 9.8515, 9.8520, 9.8855, AND 9.8865 OF THE EUGENE CODE, 1971; ADDING NEW SECTIONS 9.8472 AND 9.8474; AND ADDING NEW SECTIONS 9.4900 THROUGH 9.4980 TO THAT CODE TO ESTABLISH A WATER RESOURCES CONSERVATION OVERLAY ZONE; AMENDING THE EUGENE OVERLAY ZONE MAP; ADOPTING A SEVERABILITY CLAUSE; AND PROVIDING AN EFFECTIVE DATE.

The City Council of the City of Eugene finds that:

A. Statewide Planning Goal Five requires local governments to protect significant riparian corridors, upland wildlife habitat and wetlands. In order to conserve these resources and the biological systems they contain and support, this Ordinance adopts provisions to conserve the physical resources and also protect the water quality within the resource areas as a fundamental and essential requirement for continued survival of these biological systems.

B. Ordinance No. 20296, adopted by the Council and approved by the Mayor on July 28, 2003, adopted as Exhibit A to that Ordinance, a list of criteria for use in determining the significance of riparian corridor sites and upland wildlife habitat sites for purposes of updating the Goal 5 inventory within the Eugene city limits. The list of criteria is now more appropriately located in the Goal 5 Water Resources Conservation Plan.

C. Exhibit B to Ordinance No. 20296 is a list and a map, both entitled "Goal 5 Riparian and Upland Wildlife Habitat Sites Within the Eugene Urban Growth Boundary." The list and map, which updated the inventory of significant riparian corridor sites and upland wildlife habitat sites based on the criteria listed in Exhibit A to Ordinance No. 20296, are now more appropriately included in the Goal 5 Water Resource Conservation Plan. Further, updates to the list and map are needed to more accurately depict the location and/or acreage of some of the riparian corridor and upland wildlife habitat sites and to remove from the inventory a portion of site E-76, which an order of the Land Conservation and Development Commission determined had not been demonstrated to meet the definition of a riparian area under Oregon Administrative Rules.

D. The City has conducted, and the Oregon Department of State Lands (DSL) has approved, a local wetlands inventory (LWI) using the standards and procedures of OAR 141-086-0110 et seq. The City has determined which wetlands on the LWI are "significant wetlands" for purposes of Statewide Planning Goal 5 using the criteria adopted by DSL for that purpose (OAR 141-086-0350). The City is required to adopt an inventory of these significant wetlands.

E. In addition to the inventories of riparian, upland wildlife habitat and wetland sites referred to above, the following inventories make up the entire inventory of significant Goal 5 resources within the City of Eugene: the April 12, 1978 Sand and Gravel Working Paper, the April 12, 1978 Scenic Sites Working Paper, the April 12, 1978 Willamette River Greenway Working Paper, the April 12, 1978 Archeological Sites Working Paper, the December 1, 1976 list of historic land marks, and the West Eugene Wetlands Plan.

NOW, THEREFORE,

THE CITY OF EUGENE DOES ORDAIN AS FOLLOWS:

Section 1. Ordinance No. 20296 is repealed, as of the effective date of this Ordinance. This repeal, however, does not affect the validity of any actions taken pursuant to the provisions of that Ordinance.

Section 2. The Goal 5 Water Resources Conservation Plan attached as Exhibit A hereto, is hereby adopted as a refinement of the Eugene-Springfield Area Metropolitan Area General Plan for those areas that, as of the date this Ordinance is passed by the City Council, are located within the city limits of the City of Eugene.

Section 3. As they pertain to the areas within the city limits of Eugene, the following Exhibits are adopted as findings in support of this Ordinance: (a) Conflicting Uses and ESEE analysis attached as Exhibit B, and (b) the Eugene Local Wetland Inventory, attached as Exhibit C.

Section 4. Section 9.0500 of the Eugene Code, 1971, is amended by amending the definition for "Native Plants, Native Vegetation," and adding definitions of "Goal 5 Water Resource Site" and "Invasive, Non-Native Plants" in alphabetical order therein, to provide:

9.0500 **Definitions.** As used in this land use code, unless the context requires otherwise, the following words and phrases mean:

Goal 5 Water Resource Site. As used in EC 9.4900 to 9.4980 and 9.8030(21), the resource site as identified in the Goal 5 Water Resources Conservation Plan. For riparian corridor and upland wildlife habitat sites, the Goal 5 Water Resource Site includes the stream and riparian areas that may extend beyond applicable conservation setbacks. Wetland sites include only the wetland, itself.

See updated Chapter 9 for all code amendments.

Section 29. The Eugene Overlay Zone Map is amended to add the /WR overlay zone to the properties as reflected on Exhibit D hereto.

Section 30. If any section, subsection, sentence, clause, phrase, or portion of this Ordinance is for any reason held invalid or unconstitutional by any court of competent jurisdiction, that portion shall be deemed a separate, distinct, and independent provision and that holding shall not affect the validity of the remaining portions of this Ordinance.

Section 31. Although not part of this Ordinance, the City Council adopts the Legislative Findings set forth in the attached Exhibit E in support of this action.

Section 32. The Plant List attached as Exhibit F is adopted, and amendments may be effected by administrative order of the City Manager pursuant to Section 2.019 of the Eugene Code, 1971.

Section 33. Notwithstanding the effective date of ordinances as provided in the Eugene Charter of 2002, this Ordinance shall become effective upon January 1, 2006.

Passed by the City Council this

14th day of November, 2005

City Recorder

Approved by the Mayor this

18 day of November, 2005

Mayor

IN THE BOARD OF COUNTY COMMISSIONERS OF LANE COUNTY, OREGON

	)	**IN THE MATTER OF UPDATING THE GOAL**
	)	**5 INVENTORY AND ADOPTING THE**
	)	**GOAL 5 WATER RESOURCES**
ORDINANCE NO. PA 1234	)	**CONSERVATION PLAN;**
	)	**REPEALING ORDINANCE NO. PA 1198;**
	)	**AMENDING CHAPTER 10 OF LANE CODE**
	)	**TO AMEND PROVISIONS OF THE**
	)	**EUGENE LAND USE REGULATIONS AND**
	)	**ADD A WATER RESOURCES**
	)	**CONSERVATION OVERLAY ZONE FOR**
	)	**APPLICATION TO URBANIZABLE LANDS**
	)	**WITHIN THE EUGENE URBAN GROWTH**
	)	**AREA; APPLYING THAT ZONE TO**
	)	**SPECIFIC PROPERTIES; AND ADOPTING**
	)	**SAVINGS AND SEVERABILITY CLAUSES.**

WHEREAS, Statewide Planning Goal Five requires local governments to inventory and protect significant riparian corridors, wildlife habitat and wetlands. In order to conserve these resources and the biological systems they contain and support, this Ordinance adopts provisions to conserve the physical resources and also protect the water quality within the resource areas as a fundamental and essential requirement for continued survival of these biological systems; and

WHEREAS, Ordinance No. PA 1198, adopted by the Lane County Board of County Commissioners on April 14, 2004, adopted as Exhibit A to that Ordinance, a list of criteria for use in determining the significance of riparian corridor sites and wildlife habitat sites for purposes of updating the Goal 5 inventory within the Eugene Urban Growth Area. The list of criteria is now more appropriately located in the Goal 5 Water Resources Conservation Plan; and

WHEREAS, Exhibit B to Ordinance No. PA 1198 is a list and a map, both entitled "Goal 5 Riparian and Upland Wildlife Habitat Sites Within the Eugene Urban Growth Boundary." The list and map, which updated the inventory of significant riparian corridor sites and wildlife habitat sites based on the criteria listed in Exhibit A to Ordinance No. PA 1198, are now more appropriately included in the Goal 5 Water Resources Conservation Plan. Further, updates to the list and map are needed to more accurately depict the location and/or acreage of some of the riparian corridor and wildlife habitat sites and to remove from the inventory a portion of site E-76, which an order of the Land Conservation and Development Commission determined had not been demonstrated to meet the definition of a riparian area under Oregon Administrative Rules; and

WHEREAS, the Oregon Department of State Lands (DSL) has approved a local wetlands inventory (LWI) using the standards and procedures of OAR 141-086-0110 et seq. The

City of Eugene and Lane County have determined which wetlands (located on the LWI within the Eugene Urban Growth Area) are "significant wetlands" for purposes of Statewide Planning Goal 5 using the criteria adopted by DSL for that purpose (OAR 141-086-0350). The County is required to adopt an inventory of these significant wetlands for application to any properties within the Eugene urban growth area; and

WHEREAS, in addition to the inventories of riparian, upland wildlife habitat and wetland sites referred to above, the following inventories make up the entire current inventory of significant Goal 5 resources within the City of Eugene Urban Growth Boundary: the April 12, 1978 Sand and Gravel Working Paper, the April 12, 1978 Scenic Sites Working Paper, the April 12, 1978 Willamette River Greenway Working Paper, the April 12, 1978 Archeological Sites Working Paper, the December 1, 1976 list of historic land marks, and the West Eugene Wetlands Plan.

WHEREAS, on April 8, 1987, the Lane County Board of Commissioners enacted Ordinance No. 18-86 to adopt the City of Eugene land use regulations for application to urbanizable land within the Eugene Urban Growth Boundary in accordance with the urban transition agreement with the City of Eugene; and

WHEREAS, Article VII of that urban transition agreement provides for County adoption of changes to land use regulations made by the City for application to urbanizable land within the Eugene Urban Growth Boundary; and

WHEREAS, the provisions of the Eugene land use regulations adopted by Lane County Ordinance No. 18-86 and further amended by Lane County Ordinance Nos. 16-87, 5-88, 6-88, 7-88, 1-89, 2-89, 13-89, 2-90, 2-91, 12-91, 14-91, 7-92, 10-00, 2-02 and 3-02 were completely revised and replaced by the comprehensive revisions to the Eugene Lane Use Code regulations adopted by Lane County ordinance no. 5-00; and

WHEREAS, the City of Eugene has requested that Lane County adopt the updated Goal 5 inventories in the Water Resources Conservation Plan and revisions to the land use regulations implementing that plan for application to the urbanizable lands within the Eugene urban growth boundary; and

WHEREAS, in May 2005 and March 2006, the Lane County Planning Commission reviewed the proposed plan and land use regulation amendments, held a hearing on March 7, 2006, and made a recommendation of approval to the Board of County Commissioners; and

WHEREAS, on September 27, 2006 the Lane County Board of County Commissioner conducted a public hearing on the proposed plan and land use regulation revisions; and

WHEREAS, evidence exists within the record indicating that the proposal meets the requirements of applicable state and local law as described in the findings adopted in support of this Ordinance.

NOW, THEREFORE, the Board of County Commissioners of Lane County **ORDAINS** as follows:

Section 1. Ordinance No. PA 1198 is repealed, as of the effective date of this Ordinance. This repeal, however, does not affect the validity of any actions taken pursuant to the provisions of that Ordinance.

Section 2. The Goal 5 Water Resources Conservation Plan attached as Exhibit A hereto, is hereby adopted as a refinement of the Eugene-Springfield Area Metropolitan Area General Plan for those areas that, as of November 14, 2005, were located outside the Eugene city limits and within the urban growth boundary of the City of Eugene ("the Eugene Urban Growth Area").

Section 3. As they pertain to the Eugene Urban Growth Area, the following Exhibits are adopted as findings in support of this Ordinance: (a) Conflicting Uses and ESEE Analysis attached as Exhibit B; and (b) the Eugene Local Wetland Inventory, attached as Exhibit C.

Section 4. Sections 9.0500, 9.1040, 9.2751, 9.6885, 9.7025, 9.7055, 9.7105 9.7205, 9.7230, 9.7305, 9.7810, 9.8025, 9.8030, 9.8055, 9.8215, 9.8220, 9.8320, 9.8325, 9.8415, 9.8460, 9.8465, 9.8470, 9.8515, 9.8520, 9.8855, and 9.8865 of the Eugene Land Use Code as adopted by Lane County Ordinance No. 5-00 are hereby amended and replaced and new Sections 9.4900 through 9.4980, and 9.8472 and 9.8474 are added thereto, all as reflected in Exhibit D. These provisions are adopted and incorporated herein by this reference for application by the City of Eugene on the urbanizable lands within the Eugene Urban Growth Boundary and shall not be codified into the Lane Code.

Section 5. Chapter 10 of Lane Code is hereby amended by removing and substituting the following section:

REMOVE THIS SECTION	**INSERT THIS SECTION**
10.600-25	10.600-25
located on page 10-814	located on page 10-814
(a total of one page)	(a total of one page)

This section is attached hereto as Exhibit E and incorporated herein by this reference. The purpose of this substitution is to include specific reference to this Board of County Commissioners action adopting amended and new provisions of the City of Eugene land use regulations to be applied by the City of Eugene on urbanizable lands within the Eugene Urban Growth Boundary.

Section 6. The /WR Overlay Zone as described in the plan and land use regulations adopted above is hereby applied to the properties listed on the attached Exhibit F and shall be reflected as such on the Eugene Overlay Zone Map.

Section 7. Ordinances and regulations repealed by this Ordinance shall remain in force to authorize a punishment, penalty or forfeiture incurred, or a suit, prosecution or proceeding

pending when the provisions enacted by this Ordinance take effect, for an offense or violation committed under the previous Ordinances or regulations prior to the effective date of this Ordinance.

Section 8. If any section, subsection, sentence, clause, phrase, or portion of this Ordinance is for any reason held invalid or unconstitutional by any court of competent jurisdiction, that portion shall be deemed a separate, distinct, and independent provision and that holding shall not affect the validity of the remaining portions of this Ordinance.

Section 9. Although not part of this Ordinance, the Board of County Commissioners adopts the Legislative Findings set forth in the attached Exhibit G in support of this action.

Section 10. The Plant List attached as Exhibit H is adopted, and amendments may be effected by administrative order of the Eugene City Manager pursuant to Section 2.019 of the Eugene Code, 1971.

Section 11. The Eugene City Recorder, at the request of, or with the concurrence of the City Attorney and Lane County Counsel, is authorized to administratively correct any reference errors contained in the provisions hereby adopted consistent with LC 2.020.

ENACTED this 12TH day of DECEMBER, 2006.

Chair, Lane County Board of Commissioners

Recording Secretary for this Meeting of the Board

APPROVED AS TO FORM:

Date: 9-8-2006 Lane County

OFFICE OF LEGAL COUNSEL

Repealed Per Ord. 20351

D-143

ORDINANCE NO. 20296

AN ORDINANCE ADOPTING CRITERIA FOR DETERMINING THE GOAL 5 INVENTORY WITHIN THE EUGENE CITY LIMITS; UPDATING THE INVENTORY; AND PROVIDING AN EFFECTIVE DATE.

THE CITY OF EUGENE DOES ORDAIN AS FOLLOWS:

Section 1. The criteria attached as Exhibit A are hereby adopted as the City's additional criteria for determining the significance of riparian corridor sites and stream corridors within upland wildlife habitat sites as provided in OAR 660-023-0030(4)(c). The criteria for determining the significance of upland wildlife habitat sites, excluding stream corridors, are the "safe harbor" criteria at OAR 660-023-0110(4).

Section 2. The list and map (which consists of four tiles) entitled "Goal 5 Riparian and Upland Wildlife Habitat Sites Within the Eugene Urban Growth Boundary" attached as Exhibit B are hereby adopted as a part of the inventory of significant Goal 5 resources for those areas listed/depicted thereon that, as of the date this Ordinance is passed by the City Council, are located within the City limits of the City of Eugene.

Section 3. In addition to the portions of the list and map referred to in Section 2, the inventory of significant Goal 5 resources within the City of Eugene shall include, and be limited to, the resource sites shown for that area on the following documents: the April 12, 1978 Sand and Gravel Working Paper, the April 12, 1978 Scenic Sites Working Paper, the April 12, 1978 Willamette River Greenway Working Paper and the April 12, 1978 Archeological Sites Working Paper, the December 1, 1976 list of historic land marks and the West Eugene Wetlands Plan.

Section 4. Although not part of this Ordinance, the City Council adopts the Legislative Findings set forth in the attached Exhibit C in support of this action.

Section 5. Notwithstanding the effective date of ordinances as provided in the Eugene Charter of 2002, this Ordinance shall become effective 30 days from the date of its passage by the City Council and approval by the Mayor, or upon the date of its acknowledgment as provided by ORS 197.625, whichever is later.

Passed by the City Council this

28th day of July, 2003

City Recorder

Approved by the Mayor this

28th day of July, 2003

Mayor

Exhibit F to Ordinance No. 20351

Native and Non-Native Plant List

Exhibit F to Ordinance No. 20351

Native and Non-Native Plant List

Part 1

NATIVE PLANT SPECIES FOR SITES AT OR ABOVE 425 FEET IN ELEVATION WITHIN THE EUGENE UGB

The plant species included in this list are species that grow and propagate themselves in the Eugene area through natural processes, are adapted to the weather, soils and hydrology of the area, and have evolved in the area or been introduced to the area by natural causes. These native plant species are distinguished from plant species that have been deliberately or accidentally imported or introduced from other areas by humans or human activities.

This list applies to all habitat types, including riparian, upland and wetland areas, above 425 feet in elevation. To meet Eugene Code requirements for native plants, these species are to be used within the specified geographic area or elevation. Do not substitute alternate species. You must use the specific species, subspecies or variety listed.

Wetland Indicator Status and Site Suitability information in the table below is intended as a guideline for identifying suitable locations for plant species based on additional site characteristics, such as soils and hydrology.

Trees

Common Name	Scientific Name	Wetland Indicator Status	Site Suitability
grand fir	*Abies grandis*	NOL	UB
vine maple	*Acer circinatum*	FACU+	UB
Oregon bigleaf maple	*Acer macrophyllum*	FACU	UB
red alder	*Alnus rubra*	FAC	LB, UB
Pacific madrone	*Arbutus menziesii*	NOL	UB
incense cedar	*Calocedrus decurrens*	NOL	UB
Pacific dogwood	*Cornus nuttallii*	NOL	UB
Oregon ash	*Fraxinus latifolia*	FACW	LB, UB
Ponderosa pine	*Pinus ponderosa*	FACU	UB
black cottonwood	*Populus trichocarpa*	FAC	LB
Douglas fir	*Pseudotsuga menziesii* var. *menziesii*	NOL	UB
Oregon white oak	*Quercus garryana* var. *garryana*	NOL	UB
California black oak	*Quercus kelloggii*	NOL	UB
Pacific willow	*Salix lucida* ssp. *lasiandra*	FACW+	WE, LB
Scouler's willow	*Salix scouleriana*	FAC	LB, UB
Sitka willow	*Salix sitchensis*	FACW	WE, LB
Pacific yew	*Taxus brevifolia*	FACU-	UB

Shrubs and Vines

Common Name	Scientific Name	Wetland Indicator Status	Site Suitability
serviceberry	*Amelanchier alnifolia* var. *semiintegrifolia*	FACU	UB
tall Oregon grape	*Berberis aquifolium*	NOL	UB
common buckbrush	*Ceanothus cuneatus*	NOL	UB
redstem ceanothus	*Ceanothus sanguineus*	NOL	UB
wild clematis	*Clematis ligusticifolia*	FACU	UB
Suksdorf's hawthorn	*Crataegus suksdorfii* FAC	UB	
red-osier dogwood	*Cornus sericea*	FACW	WE, LB
California hazel	*Corylus cornuta* var. *californica*	NI	UB
salal	*Gaultheria shallon*	NOL	UB
ocean spray	*Holodiscus discolor*	NOL	UB
orange honeysuckle	*Lonicera ciliosa*	NOL	UB
hairy honeysuckle	*Lonicera hispidula*	NOL	UB
osoberry/indian plum	*Oemleria cerasiformis*	NOL	UB
mock-orange	*Philadelphus lewisii*	NOL	UB
Pacific ninebark	*Physocarpus capitatus*	FAC+	WE, LB
chokecherry	*Prunus virginiana* var. *demissa*	FACU	UB
cascara buckthorn	*Rhamnus purshiana*	FAC-	UB
straggly gooseberry	*Ribes divaricatum*	NI	UB
red currant	*Ribes sanguineum*	NOL	UB
baldhip rose	*Rosa gymnocarpa*	NI	UB
Nootka rose	*Rosa nutkana* var. *nutkana*	NI	LB, UB
thimbleberry	*Rubus parviflorus*	FACU+	UB
salmon berry	*Rubus spectabilis*	FAC	LB, UB
dewberry	*Rubus ursinus*	NOL	UB
blue elderberry	*Sambucus mexicana*	FAC-	UB
red elderberry	*Sambucus racemosa* var. *arborescens*	FACU	UB
Douglas spiraea	*Spiraea douglasii* var. *douglasii*	FACW	WE, LB
snowberry	*Symphoricarpos albus* var. *laevigatus*	FACU	UB
red huckleberry	*Vaccinium parviflorum*	NOL	UB
viburnum	*Viburnum ellipticum*	NOL	UB

Herbaceous Plants

Common Name	Scientific Name	Wetland Indicator Status	Site Suitability
vanilla-leaf	*Achlys triphylla*	NOL	UB
baneberry	*Actaea rubra*	NOL	UB
pathfinder	*Adenocaulon bicolor*	NOL	UB
red columbine	*Aquilegia formosa*	FAC	LB, UB
wild ginger	*Asarum caudatum*	NOL	UB
wild aster	*Eurybia radulina (Aster radulinus)*	NOL	UB
lady-fern	*Athyrium filix-femina*	FAC	WE, LB, UB
American wintercress	*Barbarea orthoceras*	FACW+	LB
elegant brodiaea	*Brodiaea elegans*	FACU	UB
harvest Brodiaea	*Brodiaea coronaria*	NOL	UB
wood bittercress	*Cardamine angulata*	FACW	LB, UB
spring beauty	*Cardamine nuttallii* var. *nuttallii*	NOL	UB
miner's lettuce	*Claytonia perfoliata*	FAC	UB
candyflower	*Claytonia sibirica*	FACW	UB
tall larkspur	*Delphinium trolliifolium*	NOL	UB
bleeding heart	*Dicentra formosa*	NOL	UB
Hooker's fairy bells	*Prosartes hookeri*	NOL	UB
Watson's willow herb	*Epilobium ciliatum* var. *watsonii*	FACW-	WE, LB
Oregon fawn lily	*Erythronium oregonum*	NOL	UB
large-leaf avens	*Geum macrophyllum*	FACW+	LB, UB
lowland cudweed	*Gnaphalium palustre*	FAC+	WE
Willamette valley gumweed	*Grindelia integrifolia*	FACW	WE, LB
cow-parsnip	*Heracleum lanatum*	FAC	UB
Pacific waterleaf	*Hydrophyllum tenuipes*	NOL	UB
bog St. John's-wort	*Hypericum anagalloides*	OBL	SW, WE
tiger lily	*Lilium columbianum*	FAC	UB
miniature lupine	*Lupinus polycarpus*	NOL	UB
riverbank lupine	*Lupinus rivularis*	FAC	LB, UB
skunk cabbage	*Lysichiton americanus*	OBL	SW, WE
big smilacina	*Maianthemum racemosum*	FAC-	UB
little smilacina	*Maianthemum stellatum*	FAC-	UB
Oregon bigroot	*Marah oreganus*	NOL	UB
western bluebell	*Mertensia platyphylla*	NOL	UB
water montia	*Montia fontana*	OBL	SW, WE
aquatic claytonia	*Montia linearis*	NOL	LB, UB
small forget-me-not	*Myosotis laxa*	OBL	SW, WE
small flowered nemophila	*Nemophila parviflora* var. *nemophylla*	NOL	UB
water-parsley	*Oenanthe sarmentosa*	OBL	SW, WE
sweet cicely	*Osmorhiza berteroi*	NOL	UB
w. yellow wood sorrel	*Oxalis suksdorfii*	NOL	UB
sweet colt's-foot	*Petasites frigidus* var. *palmatus*	FACW	LB

woodland phacelia	*Phacelia nemoralis*	FACU	UB
swordfern	*Polystichum munitum*	NOL	UB
bracken fern	*Pteridium aquilinum*	FACU	UB
self-heal	*Prunella vulgaris* var. *lanceolata*	FACU+	UB
white water buttercup	*Ranunculus aquatilis*	OBL	SW,WE
woods buttercup	*Ranunculus uncinatus*	FAC	UB
willow leaved dock	*Rumex salicifolius*	FACW	WE
Pacific sanicle	*Sanicula crassicaulis*	NOL	UB
yerba buena	*Satureja douglasii*	NOL	UB
Idaho blue-eyed grass	*Sisyrinchium idahoense* var. *idahoense*	FACW	WE, LB
beautiful blue eyed grass	*Sisyrinchium bellum*	FACW-	UB
hedge-nettle	*Stachys mexicana*	FACW	LB, UB
spring queen	*Synthyris reniformis*	NOL	UB
fringecups	*Tellima grandiflora*	NOL	UB
western meadowrue	*Thalictrum occidentale*	FACU	UB
tall western meadowrue	*Thalictrum polycarpum*	NOL	UB
piggy-back plant	*Tolmiea menziesii*	FAC	LB
star-flower	*Trientalis latifolia*	FAC-	UB
sessile trillium	*Trillium albidum*	NOL	UB
western trillium	*Trillium ovatum* ssp. *ovatum*	NOL	UB
inside-out flower	*Vancouveria hexandra*	NOL	UB
American vetch	*Vicia americana*	NI	WE, LB
woodland violet	*Viola glabella*	FACW+	UB

Grasses, Sedges, Rushes

Common Name	Scientific Name	Wetland Indicator Status	Site Suitability
Sitka brome	*Bromus sitchensis*	NOL	UB
Dewey's sedge	*Carex deweyana* var. *leptopoda*	FAC+	UB
Henderson's sedge	*Carex hendersonii*	NI	LB
slough sedge	*Carex obnupta*	OBL	SW, WE
sawbeak sedge	*Carex stipata* var. *stipata*	NOL	WE, LB
needle spikerush	*Eleocharis acicularis*	OBL	SW, WE
creeping spikerush	*Eleocharis palustris*	OBL	SW, WE
blue wild-rye	*Elymus glaucus* ssp. *glaucus*	FACU	UB
tall manna grass	*Glyceria striata*	FACW+	WE, LB
meadow barley	*Hordeum brachyantherum*	FACW	WE, LB
common rush	*Juncus effusus* var. *gracilis*	FACW+	SW, WE
spreading rush	*Juncus patens*	FACW	SW, WE
lacquered rush	*Juncus laccatus*	?	SW, WE
onion grass	*Mellica subulata*	NOL	UB

Key to Wetland Indicator Status

OBL = Obligate Wetland Plants. Under normal conditions, these plants almost always occur in wetlands (estimated probability of wetland occurrence 99%).

FACW = Facultative Wetland Plants. Under normal conditions these plants are usually found in wetlands, but also may be found outside wetlands (estimated probability of wetland occurrence 67-99%)

FAC = Facultative Plants. Under normal conditions, these plants are found equally in wetlands and non-wetlands (estimated probability of wetland occurrence 33-66%).

FACU = Facultative Upland Plants. Under normal conditions, these plants are most likely to be found in non-wetlands (estimated probability of wetland occurrence 1-33%).

UPL = Obligate Upland Plants. These plants are almost always found in non-wetlands, and are expected to be found in wetlands less than 1% of the time.

NOL = Not on U.S.F.W.S. wetland plant list.

Key to Site Suitability

SW = Shallow water
WE = Water's edge
LB = Lower bank
UB = Upper bank and terraces above the ordinary high water line

Wetland indicator status information is taken from:

"National List of Plant Species That Occur In Wetlands: Northwest (Region 9)," U.S. Fish and Wildlife Service, May 1988; 1993 supplement.

Part 2

NATIVE PLANT SPECIES FOR SITES AT OR BELOW 500 FEET IN ELEVATION WITHIN THE EUGENE UGB

The plant species included in this list are species that grow and propagate themselves in the Eugene area through natural processes, are adapted to the weather, soils and hydrology of the area, and have evolved in the area or been introduced to the area by natural causes. These native plant species are distinguished from plant species that have been deliberately or accidentally imported or introduced from other areas by humans or human activities.

This list applies to all habitat types, including riparian, upland and wetland areas, below 500 feet in elevation within the UGB, *except* within the West Eugene Wetlands Plan area, and within seasonal wet prairie habitats (see Part 3). To meet Eugene Code requirements for native plants, these species are to be used within the specified geographic area and elevation. Do not substitute alternate species. You must use the specific species, subspecies or variety listed.

Wetland Indicator Status and Site Suitability information in the table below is intended as a guideline for identifying suitable locations for plant species based on additional site characteristics, such as soils and hydrology.

Trees

Common Name	Scientific Name	Wetland Indicator Status	Site Suitability
grand fir	*Abies grandis*	NOL	UB
vine maple	*Acer circinatum*	FACU+	UB
Oregon bigleaf maple	*Acer macrophyllum*	FACU	UB
white alder	*Alnus rhombifolia*	FACW	LB, UB
red alder	*Alnus rubra*	FAC	LB, UB
incense-cedar	*Calocedrus decurrens*	NOL	UB
Pacific dogwood	*Cornus nutallii*	NOL	UB
Oregon ash	*Fraxinus latifolia*	FACW	LB, UB
ponderosa pine	*Pinus ponderosa*	FACU	UB
black cottonwood	*Populus balsamifera* ssp. *trichocarpa*	FAC	LB
Douglas-fir	*Pseudotsuga menziesii* var. *menziesii*	NOL	UB
Oregon white oak	*Quercus garryana* var. *garryana*	NOL	UB
California black oak	*Quercus kelloggii*	NOL	UB
Pacific willow	*Salix lucida* ssp. *lasiandra*	FACW+	WE, LB
western yew	*Taxus brevifolia*	FACU-	UB
western redcedar	*Thuja plicata*	FAC	UB

Shrubs

Common Name	Scientific Name	Wetland Indicator Status	Site Suitability
serviceberry	*Amelanchier alnifolia* FACU var. *semiintegrifolia*	UB	
tall Oregon grape	*Berberis aquifolium*	NOL	UB
common buckbrush	*Ceanothus cuneatus*	NOL	UB
Suksdorf's hawthorn	*Crataegus suksdorfii* FAC var. *suksdorfii*	UB	
red-osier dogwood	*Cornus sericea*	FACW	WE, LB
California hazel	*Corylus cornuta* var. *californica*	NI	UB
ocean spray	*Holodiscus discolor*	NOL	UB
osoberry/indian plum	*Oemleria cerasiformis*	NOL	UB
mock-orange	*Philadelphus lewisii*	NOL	UB
Pacific ninebark	*Physocarpus capitatus*	FAC+	WE, LB
chokecherry	*Prunus virginiana* var. *demissa*	FACU	UB
cascara buckthorn	*Rhamnus purshiana*	FAC?	UB
straggly gooseberry	*Ribes divaricatum*	NI	UB
red currant	*Ribes sanguineum*	NOL	UB
baldhip rose	*Rosa gymnocarpa*	NI	UB
Nootka rose	*Rosa nutkana*	NI	LB, UB
blackcap	*Rubus leucodermis*	NOL	UB
thimbleberry	*Rubus parviflorus*	FACU+	UB
salmonberry	*Rubus spectabilis*	FAC	LB, UB
dewberry	*Rubus ursinus*	NOL	UB
Columbia River willow	*Salix fluviatilis*	OBL	SW, WE
Piper's willow	*Salix hookeriana (piperi)*	FACW	LB
Scouler's willow	*Salix scouleriana*	FAC	LB, UB
Sitka willow	*Salix sitchensis*	FACW	WE, LB
blue elderberry	*Sambucus mexicana (cerulea)*	FAC-	UB
red elderberry	*Sambucus racemosa* var. *arborescens*	FACU	UB
Douglas spiraea	*Spiraea douglasii* var. *douglasii*	FACW	WE, LB
snowberry	*Symphoricarpos albus* var. laevigatus	FACU	UB
oval-leaved viburnum	*Viburnum ellipticum*	NOL	UB

Vines

Common Name	Scientific Name	Wetland Indicator Status	Site Suitability
wild clematis	*Clematis ligusticifolia*	FACU	UB
orange honeysuckle	*Lonicera ciliosa*	NOL	UB
hairy honeysuckle	*Lonicera hispidula*	NOL	UB

Herbaceous Plants

Common Name	Scientific Name	Wetland Indicator Status	Site Suitability
vanilla-leaf	*Achlys triphylla*	NOL	UB
baneberry	*Actaea rubra*	NOL	UB
pathfinder	*Adenocaulon bicolor*	NOL	UB
red columbine	*Aquilegia formosa*	FAC	LB, UB
wild ginger	*Asarum caudatum*	NOL	UB
lady-fern	*Athyrium filix-femina*	FAC	WE, LB, UB
American wintercress	*Barbarea orthoceras*	FACW+	LB
camas	*Camassia leichtlinii*	FACW-	LB, UW
wood bittercress	*Cardamine angulata*	FACW	LB, UB
spring beauty	*Cardamine nuttallii* var. *nuttallii*	NOL	UB
small-flowered claytonia	*Claytonia parviflora*	NOL	UB
miner's lettuce	*Claytonia perfoliata*	FAC	UB
candyflower	*Claytonia sibirica*	FACW	UB
tall larkspur	*Delphinium trolliifolium*	NOL	UB
bleeding heart	*Dicentra formosa*	NOL	UB
coastal shield fern	*Dryoptera arguta*	NOL	UB
Watson's willow herb	*Epilobium ciliatum* (watsonii)	FACW-	LB
Oregon fawn lily	*Erythronium oregonum*	NOL	UB
large-leaf avens	*Geum macrophyllum*	FACW+	LB, UB
lowland cudweed	*Gnaphalium palustre*	FAC+	UB
Willamette valley gumweed	*Grindelia integrifolia*	FACW	WE, LB
cow-parsnip	*Heracleum lanatum*	FAC	UB
Pacific waterleaf	*Hydrophyllum tenuipes*	NOL	UB
bog St. John's-wort	*Hypericum anagalloides*	OBL	SW, WE
tiger lily	*Lilium columbianum*	FAC	UB
miniature lupine	*Lupinus polycarpus*	NOL	UB
riverbank lupine	*Lupinus rivularis*	FAC	UB
skunk cabbage	*Lysichiton americanus*	OBL	SW, WE
big smilacina	*Maianthemum racemosa*	FAC-	UB
little smilacina	*Maianthemum stellaum*	FAC-	UB
Oregon bigroot	*Marah oreganus*	NOL	UB
western bluebell	*Mertensia platyphylla*	NOL	UB
water montia	*Montia fontana*	OBL	SW, WE

aquatic claytonia	*Montia linearis*	NOL	LB, UB
small forget-me-not	*Myosotis laxa*	OBL	SW, WE
small-flowered nemophila	*Nemophila parviflora* var. *nemophylla*	NOL	UB
water-parsley	*Oenanthe sarmentosa*	OBL	SW, WE
sweet cicely	*Osmorhiza berteroi*	NOL	UB
w. yellow wood sorrel	*Oxalis suksdorfii*	NOL	UB
sweet colt's-foot	*Petasites frigidus* var. *palmatus*	FACW	LB
woodland phacelia	*Phacelia nemoralis*	FACU	UB
swordfern	*Polystichum munitum*	NOL	UB
Hooker's fairy bells	*Prosartes hookeri*	NOL	UB
self-heal	*Prunella vulgaris* var. *lanceolata*	FACU+	UB
white water buttercup	*Ranunculus aquatilis*	OBL	SW,WE
woods buttercup	*Ranunculus uncinatus*	FAC	UB
western dock	*Rumex occidentalis* var. *procerus*	FAC-	UB
willow leaved dock	*Rumex salicifolius*	FACW	WE
Pacific sanicle	*Sanicula crassicaulis*	NOL	UB
yerba buena	*Satureja douglasii*	NOL	UB
small-fruited bulrush	*Scirpus microcarpus*	OBL	WE
Hitchcock's blue-eyed grass	*Sisyrinchium hitchcockii*	NOL	UB
hedge-nettle	*Stachys mexicana*	FACW	LB, UB
fringecups	*Tellima grandiflora*	NOL	UB
western meadowrue	*Thalictrum occidentale*	FACU	UB
tall western meadowrue	*Thalictrum polycarpum*	NOL	UB
piggy-back plant	*Tolmiea menziesii*	FAC	LB
star-flower	*Trientalis latifolia*	FAC-	UB
sessile trillium	*Trillium albidum*	NOL	UB
western trillium	*Trillium ovatum* ssp. *ovatum*	*NOL*	*UB*
stinging nettle	*Urtica dioica*	FAC+	UB
inside-out flower	*Vancouveria hexandra*	NOL	UB
American vetch	*Vicia americana*	NI	WE, LB
woodland violet	*Viola glabella*	FACW+	UB

Grasses, Sedges, Rushes

Common Name	Scientific Name	Wetland Indicator Status	Site Suitability
Dewey's sedge	*Carex deweyana* var. *leptopoda*	FAC+	UB
Henderson's sedge	*Carex hendersonii*	NI	LB
green-fruited sedge	*Carex interrupta*	OBL	SW, WE
slough sedge	*Carex obnupta*	OBL	SW, WE
sawbeak sedge	*Carex stipata* var. *stipata*	NOL	WE, LB
needle spikerush	*Eleocharis acicularis*	OBL	SW, WE

creeping spikerush	*Eleocharis palustris*	OBL	SW, WE
blue wild-rye	*Elymus glaucus* ssp. *glaucus*	FACU	UB
tall manna grass	*Glyceria striata*	FACW+	WE, LB
meadow barley	*Hordeum brachyantherum*	FACW	WE, LB
taper-tip rush	*Juncus acuminatus*	OBL	SW, WE
three-stamen rush	*Juncus ensifolius*	FACW	WE, LB
common rush	*Juncus effusus*	FACW+	SW, WE
shiny rush	*Juncus laccatus*	NOL	SW, WE
pointed rush	*Juncus oxymeris*	FACW+	SW, WE
spreading rush	*Juncus patens*	FACW	SW, WE
slender rush	*Juncus tenuis*	FAC	LB
onion grass	*Melica subulata*	NOL	UB

Key to Wetland Indicator Status

OBL = Obligate Wetland Plants. Under normal conditions, these plants almost always occur in wetlands (estimated probability of wetland occurrence 99%).

FACW = Facultative Wetland Plants. Under normal conditions these plants are usually found in wetlands, but also may be found outside wetlands (estimated probability of wetland occurrence 67-99%)

FAC = Facultative Plants. Under normal conditions, these plants are found equally in wetlands and non-wetlands (estimated probability of wetland occurrence 33-66%).

FACU = Facultative Upland Plants. Under normal conditions, these plants are most likely to be found in non-wetlands (estimated probability of wetland occurrence 1-33%).

UPL = Obligate Upland Plants. These plants are almost always found in non-wetlands, and are expected to be found in wetlands less than 1% of the time.

NOL = Not on U.S.F.W.S. wetland plant list.

Key to Site Suitability

SW = Shallow water
WE = Water's edge
LB = Lower bank
UB = Upper bank and terraces above the ordinary high water line

Wetland indicator status information is taken from:

"National List of Plant Species That Occur In Wetlands: Northwest (Region 9)," U.S. Fish and Wildlife Service, May 1988; 1993 supplement.

Part 3

NATIVE PLANT SPECIES FOR SITES IN THE WEST EUGENE WETLANDS PLAN AREA AND IN SEASONAL WET PRAIRIE HABITAT IN OTHER GEOGRAPHIC AREAS

The plant species included in this list are species that grow and propagate themselves in the Eugene area through natural processes, are adapted to the weather, soils and hydrology of the area, and have evolved in the area or been introduced to the area by natural causes. These native species are distinguished from plant species that have been deliberately or accidentally imported or introduced from other areas by humans or human activities.

This list applies to sites within the West Eugene Wetlands Plan area and within wet prairie habitats (e.g., in Westmoreland Park and Amazon Park). To meet Eugene Code requirements for native plants, these species are to be used within the specified geographic area or elevation. Do not substitute alternate species. You must use the specific species, subspecies or variety listed.

Wetland Indicator Status and Site Suitability information in the table below is intended as a guideline for identifying suitable locations for plant species based on additional site characteristics, such as soils and hydrology.

Trees

Scientific Name	Common Name	Wetland Indicator Status	Site Suitability
Fraxinus latifolia	Oregon ash	FACW	BA, TW
Pinus ponderosa	Ponderosa pine	FACU-	BA, TN
Populus trichocarpa	black cottonwood	FAC	BA, TN
Pseudotsuga menziesii var. *menziesii*	Douglas-fir	NOL	TN
Quercus kelloggii	California black oak	NOL	TN
Quercus garryana var. *garryana*	Oregon white oak	NOL	TN
Salix sitchensis	Sitka willow	FACW	WE, BA
Salix scouleriana	Scouler's willow	FAC	BA
Salix piperi	Piper's willow	FACW	WE, BA
Salix lucida ssp. *lasiandra*	Pacific willow	FACW+	WE, BA

Shrubs

Scientific Name	Common Name	Wetland Indicator Status	Site Suitability
Amelanchier alnifolia var. *semiintegrifolia*	serviceberry	FACU	TN

Berberis aquifolium	tall Oregon-grape	NOL	TN
Corylus cornuta	western hazelnut	NI	TN
Crataegus suksdorfii	Suksdorf's hawthorn	FAC	BA, TN
Holodiscus discolor	ocean spray	NOL	TN
Lonicera hispidula	hairy honeysuckle	NOL	TN
Oemleria cerasiformis	indian plum	NOL	TN
Physocarpus capitatus	Pacific ninebark	FAC+	BA
Pyrus fusca	western crab-apple	FAC+	TN
Rhamnus purshiana	cascara	NI	TN
Rosa nutkana	Nootka rose	NI	TN
Rosa pisocarpa	clustered wild rose	FACU	TN
Spiraea douglasii var. *douglaii*	Douglas' spiraea	FACW	WE, BA, TW
Symphoricarpos albus var. *laevigatus*	common snowberry	FACU	TN
Viburnum ellipticum	Oregon viburnum	NOL	TN

Herbaceaous Plants

Scientific Name	Common Name	Wetland Indicator Status	Site Suitability
Achillea millefolium	common yarrow	FACU	TN
Alisma plantago-aquatica var. *americana*	broad-leaf water-plantain	OBL	SW, WE
Allium amplectens	slimleaf onion	NOL	TN
Aster hallii	Hall's aster	FAC	TN, TW
Bidens cernuua	nodding beggar's-tick	FACW+	WE, TW
Bidens frondosa	leafy beggar's-tick	FACW+	WE, TW
Boisduvalia densiflora	dense spike-primrose	FACW-	WE
Brodiaea hyacinthina	hyacinth brodiaea	FACU	TN
Brodiaea coronaria	harvest brodiaea	NOL	TN
Callitriche heterophylla	water-starwort	OBL	SW, WE
Camassia leichtlinii ssp. *Suksdorfii*	tall camas	FACW-	TW
Camassia quamash ssp. *maximac*ommon	camas	FACW	TW
Cardamine penduliflora	Willamette Valley bittercress	OBL	SW, WE, TW
Cardamine nutallii var. *nutallii*	slender toothwort	NOL	UB
Claytonia sibirica	candyflower	FACW	UB
Delphinium trolliifolium	Columbia larkspur	NOL	TN
Downingia elegans	common downingia	OBL	SW, WE
Epilobium paniculatum	autumn willow-herb	NOL	TN
Eriophyllum lanatum	woolly sunflower	NOL	TN
Eryngium petiolatum	Oregon coyote-thistle	OBL	SW, WE
Geum macrophyllum	large-leaved avens	FACW+	WE, BA

Grindelia integrifolia var. *integrifolia*	Willamette valley gumweed	FACW	WE, BA
Heracleum lanatum	cow-parsnip	FAC	BA, TN
Hydrocotyle ranunculoides	floating marsh-pennywort	OBL	SW
Lasthenia glaberrima	smooth lasthenia	OBL	SW
Lotus formosissimus	seaside lotus	FACW+	WE
Lotus pinnatus	bog lotus	FACW	SW, WE
Lotus purshianus	spanish-clover	NOL	TN
Ludwigia palustris var. *pacifica*	water-purslane	OBL	SW, WE
Lupinus polyphyllus	bigleaf lupine	FAC+	BA, TN
Marah oreganus	Oregon bigroot	NOL	TN
Microseris laciniata	cut-leaved microseris	NOL	TN
Montia linearis	narrow-leaved montia	NOL	TN
Myosotis laxa	small-flowered forget-me-not	OBL	WE
Nuphar polysepalum	pond lily	OBL	SW
Oenanthe sarmentosa	water parsely	OBL	SW, WE
Osmorhiza chilensis	sweet-cicely	NOL	TN
Perideridia gairdneri	Gairdner's yampah	FACU	TN
Plagiobothrys figuratus	fragrant popcorn-flower	FACW	SW, TW
Polygonum hydropiperoides	waterpepper	OBL	SW, WE, TW
Polystichum munitum	common sword fern	NOL	BA, TN
Potentilla gracilis var. *gracilis*	slender cinquefoil	FAC	TN
Prunella vulgaris var. *lanceolata*	self-heal	FACU+	TN
Ranunculus uncinatus	disappointing buttercup	FAC	BA
Ranunculus orthorhynchus	straight-beak buttercup	FACW-	BA
Ranunculus occidentalis	western buttercup	FACW	BA
Ranunculus aquatilis	white water-buttercup	OBL	SW, WE, TW
Rorippia curvisiliqua	western yellowcress	FACW+	WE, TW
Rubus ursinus	Pacific blackberry	NI	TN
Rumex salicifolius	willow-leaved dock	FACW	TW
Sanicula crassicaulis var. *crassicaulis*	western sanicle	NOL	TN
Saxifraga oregana	Oregon saxifrage	FACW+	WE, BA
Sidalcea cusickii	Cusick's checkermallow	NOL	WE
Sparganium emersum	simple-stem bur-reed	OBL	SW, WE, TW
Stachys rigida	rigid hedge-nettle	FACW-	BA
Tellima grandiflora	fringecups	NOL	TN
Trillium albidum	sessile trillium	NOL	TN
Typha latifolia	broad-leafcattail	OBL	SW, WE
Veratrum californicum var. *caudatum*	tailed false-hellebore	OBL	SW, WE
Veronica americana	American speedwell	OBL	SW, WE
Veronica scutellata	marsh speedwell	OBL	SW, WE
Wyethia angustifolia	narrow-leaf wyethia	FACU	TN
Zigadenus venenosus	death camas	FAC	TW, TN

var. *venenosus*

Grasses, Sedges and Rushes

Scientific Name	Common Name	Wetland Indicator Status	Site Suitability
Agrostis exarata	spike bentgrass	FACW	BA, TW
Alopecurus geniculatus	water foxtail	FACW+	BA, TW
Beckmannia syzigachne	American slough grass	OBL	SW, WE
Carex densa	dense sedge	OBL	SW, WE
Carex deweyana var. *leptopoda*	Dewey's sedge	FAC+	BA, TW
Carex lanuginosa	woolly sedge	OBL	SW, WE
Carex leporina	hare sedge	FAC	BA, TW
Carex obnupta	slough sedge	OBL	SW, WE
Carex unilateralis	one-sided sedge	FACW	WE, TW
Danthonia californica	California oatgrass	FACU-	TN
Deschampsia cespitosa	tufted hairgrass	FACW	TW
Deschampsia danthonioides	annual hairgrass	FACW-	TW
Deschampsia elongata	slender hairgrass	FACW-	TW
Eleocharis acicularis	needle spikerush	OBL	SW, WE
Eleocharis ovata	ovoid spike-rush	OBL	SW, WE
Eleocharis palustris	creeping spikerush	OBL	SW, WE
Elymus glaucus ssp. *glaucus*	blue wildrye	FACU	TN
Glyceria occidentalis	western mannagrass	OBL	SW, WE
Hordeum brachyantherum	meadow barley	FACW	WE, TW
Juncus acuminatus	tapered rush	OBL	SW, WE
Juncus articulatus	jointed rush	OBL	SW, WE
Juncus nevadensis	Sierra rush	FACW	WE, TW
Juncus oxymeris	pointed rush	FACW+	WE, TW
Juncus patens	spreading rush	FACW	WE, TW
Juncus tenuis var. *tenuis*	slender rush	FAC	BA, TW
Koeleria cristata	junegrass	NOL	TN
Panicum occidentale	western witchgrass	FACW	WE, TW
Scirpus validus	softstem bulrush	OBL	SW, WE

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FAC = Facultative Plants. Under normal conditions, these plants are found equally in wetlands and non-wetlands (estimated probability of wetland occurrence 33-66%).
FACU = Facultative Upland Plants. Under normal conditions, these plants are most likely to be found in non-wetlands (estimated probability of wetland occurrence 1-33%).
UPL = Obligate Upland Plants. These plants are almost always found in non-wetlands, and are expected to be found in wetlands less than 1% of the time.
NOL = Not on U.S.F.W.S. wetland plant list.

Key to Site Suitability

SW = Shallow water
WE = Water's edge
BA = Bank
TW = Top of Bank, wetland (e.g., where prairie wetlands exist adjacent to a stream or channel)
TN= Top of Bank, non-wetland

Wetland indicator status information is taken from:

"National List of Plant Species That Occur In Wetlands: Northwest (Region 9)," U.S. Fish and Wildlife Service, May 1988; 1993 supplement.

Part 4

NON-NATIVE, INVASIVE PLANT SPECIES KNOWN OR LIKELY TO OCCUR WITHIN THE EUGENE URBAN GROWTH BOUNDARY

The plant species included in this list are species that have been deliberately or accidentally imported or introduced from other areas by humans or human activities. In addition, these species escape from cultivated settings and spread aggressively into natural areas, and are capable of displacing large areas of native vegetation. These non-native, invasive plant species are distinguished from those native species that grow and propagate themselves in the Eugene area through natural processes, are adapted to the weather, soils and hydrology of the area, and have evolved in the area or been introduced to the area by natural causes.

This list applies to all habitat types within the Eugene Urban Growth Boundary. To meet Eugene Code requirements for removal of non-native, invasive plants, you must remove the specific species, subspecies or variety listed.

Scientific Name	Common Name	Notes	Reference
Acer platanoides	Norway maple	Invasive tree spreading into forested natural areas around town including Skinner's Butte.	1
Aesculus hippocastanum	horsechestnut	Populations have been found in south end of Hendricks Park and this species is known to be problematic in other cities.	1
Ailanthus altissima	tree-of-heaven	Invasive tree that is problematic in City parks, alleys, and undeveloped property. This species is capable of becoming established through cracks in concrete.	1,3
Alliaria petiolata	garlic mustard	One of the most invasive forest under story plants in the east and Midwest, starting to establish in the Seattle area. Documented as present in Portland and Eugene	1, 4
Anchusa azurea	anchusa; common bugloss	Exploding in large patches roadside and in woods in western Benton County. Also known recently from Lane and Clackamas counties.	1, 3
Arum italicum	Arum	While it appears to be moved primarily by humans, it occasionally is found away from human activity areas. Once established, it is extremely difficult to remove.	1
Betula pendula/pubesc	European birch	This species is spreading rapidly along waterways and is now established along the entirety of Amazon Creek from near its headwaters to Fern Ridge	5

ens		Reservoir.	
Brachypodium sylvaticum	false-brome	Highly invasive grass rapidly spreading through forests and along rivers in our area in numerous places including Alton Baker Park. It has the potential to permanently alter the forest under story, as it out-competes most other species and no control is known.	1, 3, 4
Buddleia alternifolia, Buddleia davidii	fountain butterfly bush	Both butterfly bushes displace native willows which are essential host plants for native butterflies.	1, 4
Clematis vitalba	traveler's-joy	Invasive climber comparable to English ivy is a problem in areas of Portland and Seattle. Currently appearing in several areas along the Willamette River with large populations established on Skinner Butte.	1, 3, 4
Cotoneaster franchettii	cotoneaster	Occurring in native prairies and woodland edges. (Cotoneaster franchetti, C. horizontalis, C. parneyi, etc. Best to avoid all cotoneasters.)	1
Cotoneaster horizontalis	cotoneaster	Occurring in native prairies and woodland edges. (Cotoneaster franchetti, C. horizontalis, C. parneyi, etc. Best to avoid all cotoneasters.)	1
Crataegus monogyna	English hawthorn	This species is well established and spreading rapidly into woodlands and prairies throughout town. It interbreeds with the native hawthorn creating hybrids that are difficult to accurately identify.	1, 3, 4
Cynoglossum officinale	common houndstongue	This common garden species has escaped and appears regularly in several City parks, along waterways and in unimproved alleys.	2, 3
Cytisus monspessulana	French broom	This species is a serious problem in CA and OR south coast and is now appearing in Eugene	1, 2, 3, 4
Cytisus scoparius	Scot's broom	Dense populations established along the Willamette, in the south hills, throughout the West Eugene Wetlands, along roadways and railways and in several city parks. Avoid use of all brooms.	1, 2, 3, 4
Daphne laureola	spurge laurel	Spread by birds into forested areas throughout town.	1, 3
Digitalis purpurea	foxglove	This common and attractive garden wild flower escapes easily and forms dense populations. It is becoming well established in some areas along the Willamette River.	1, 3

Genista monspessulana	broom	This species is a serious problem in CA and along the south OR coast. Now beginning to appear in Eugene.	
Geranium lucidum	shining crane's-bill	Beginning to dominate forest understories in south Eugene.	1
Geranium robertianum	herb robert	Dominates forest understories in several areas in Eugene including Hendrick's park. This species is spreading rapidly throughout town.	1, 3, 4
Glecoma hederacea	ground ivy; creeping Charlie	Can become a dominant plant in moist, shady riparian areas.	
Hedera helix	English ivy	Spreads vegetatively in forested and open areas. Seeds spread mostly by exotic birds including starlings. This species is an extensive and widespread problem throughout Eugene, especially in forested areas and along the Willamette River.	1, 2, 3, 4
Hypericum perforatum	St. John's wort	This species invades meadows, trailsides, roadsides, and other areas throughout town.	1, 2, 3, 4
Ilex aquifolium	English holly	Spread by birds and appears regularly in forest understories throughout town.	1, 3
Iris pseudoacorus	yellow flag iris	Forms monocultures in wetlands. This species has established in Bertelsen Slough, Amazon Creek, Flat Creek, Spring Creek and along the Willamette River.	1, 3
Juniperus virginiana	eastern redcedar	Birds eat berries and spread seeds.	1
Lamiastrum galeobdolan	Yellow archangel	Primarily spread by humans. Very aggressive, primarily moving out from landscaped areas. Has escaped in Springfield, Corvallis, and in Seattle, where a botanist says it "covers hillsides."	1
Lathyrus sp.	latifolius sweet, perennial or everlasting pea	Well-established, primarily along roadsides and hedgerows, large population on Chamber's connector. Listed in "Weeds of the West"	1
Leucanthemum vulgare	oxeye daisy	This species is common in commercial "wildflower mixes". It has become widely established in meadows in West Eugene, Amazon Park, and along roadsides and mowed waterways. Formerly Chrysanthemum leucanthemum.	1, 3, 4

Ligustrum vulgare	common privet	Birds eat fruits and spread plants into woods and prairies.	1
Linaria vulgaris	yellow toadflax	Roadside weed expanding into prairies.	1, 2, 3, 4
Lotus corniculatus	birdsfoot trefoil	Sold in pasture mixes. This species has invaded wetland areas throughout town including most drainage channels.	1, 3
Lunaria annua	honesty; money plant	Invasive in forest understories.	1
Lysimachia nummularia	moneywort	Regular dominant of riparian wetlands in our areas, both in sun and shade.	1
Lythrum salicaria	purple loosestrife	This species forms monocultures in wetlands and is a species of national concern. Although not yet widespread, populations have been found in Amazon Creek and Willamette River and appear to be expanding.	1, 2, 3, 4
Melissa officinalis	lemon balm	Widespread weed in native prairies and openings in woods.	1
Mentha pulegium	Mentha pulegium	Forms large monocultures in emergent wetlands in West Eugene, displacing native wetland plants.	1
Myriophyllum spicatum	Eurasian watermilfoil	Includes water-milfoils. Myriophyllum aquaticum (M. brasiliense; parrot's feather) and M. spicatum (Eurasian milfoil) are common aquatic species in waterways and ponds throughout Eugene.	1, 2, 3, 4
Myosotis scorpioides	common forget-me-not	Can dominate forest understories, especially openings and on edges.	1
Myriophyllum ssp.	parrot's feather, et. al.	This genus of floating aquatic plants includes the water milfoils. Myriophyllum aquaticum (parrot's feather) is the major offender, and Myriophyllum spicatum (Eurasian milfoild) is also very damaging.	1
Phalaris aquatica	Harding grass	This wetland species is found in slightly drier conditions than P. arundinacea. While populations are not yet as widespread as P. arundinacea, populations are rapidly expanding.	1, 3, 4
Phalaris arundinacea	reed canarygrass	This species forms dense monocultures and is one of the most widespread species in all types of wetlands	1, 3, 4

		throughout Eugene. It permanently and dramatically effects ecosystems where it has become established. This species is still sold commercially.	
Polygonum cuspidatum (and related species and hybrids)	Japanese knotweed	This species forms riparian monocultures. This species is not yet common in Eugene but populations are becoming more common and larger. It is already a significant problem in the Portland and Seattle areas. Avoid all the large knotweeds.	1, 2, 3
Populus alba	white poplar	This species spreads rapidly via suckers and is difficult to remove once established. It also quickly becomes a hazard tree as the brittle branches are prone to breakage. This species is found is several City parks including Alton Baker Park.	3
Prunus avium	sweet cherry	This species is spread by birds into forested areas and is a quite common understory invader in forested areas throughout Eugene.	1, 3, 4
Prunus cerasifera	thundercloud plum	Grafted species and rootstocks that sucker and flower, produce fruit which is spread easily by birds. This species is appearing in prairie areas in West Eugene and woodland edges throughout town.	1
Prunus domestica	plum	Not as invasive as P. avium.	1
Prunus laurocerasus	English laurel	This common hedge evergreen is spread by birds and appears regularly in forested understories, especially at Skinner Butte, Morse Ranch, and Hendricks Park.	1, 3
Prunus lusitanica	Portugal laurel	Similar to P. laurocrasus, this species appears regularly in forest understories.	1
Prunus mahaleb	mahaleb cherry	Birds spread seeds of this species, which is common in the understories of forested areas and woodland edges throughout town.	3
Pueraria montana var. *lobata*	kudzu	While populations have not been found in Eugene, two occurrences have been noted in the Willamette Valley. This species has devastated plant communities in southern and eastern states.	1, 2, 4
Pyracantha spp.	fire thorn	Birds eat fruits and spread plants into prairies. P. angustifolia, P. coccinea, et al.	1
Pyrus communis	pear	This species appears occasionally in prairie areas and shrub/scrub communities throughout town.	5

Ranunculus ficaria	lesser celandine	Highly invasive in Hendricks Park and Mt. Pisgah Arboretum. Once established populations are extremely difficult to control.	1
Ranunculus repens	creeping buttercup	This species is allelopathic. It forms large monocultures, especially in moist areas. It is common in many of our parks including Tugman Park.	1
Robinia pseudoacacia	black locust	Widely escaped east of Cascades, beginning to naturalize on West Side (Portland area, Benton County, Lane County.) This species can form woodland monocultures.	1, 3
Rorippa nasturtium-aquaticum	watercress	Chokes out small waterways on the valley floor.	1, 3
Rosa eglanteria	sweet-briar	This species easily invades prairie areas and is common throughout town especially in West Eugene.	1, 3
Rosa multiflora	multiflowered rose	This species, similar to R. eglantaria, is a common problem in west Eugene wetlands and Fern Ridge Wildlife Area.	1
Rubus armeniacus (discolor)	Himalaya or Armenian blackberry	One of the most widespread exotic species in the Pacific Northwest. Populations are well established in all plant communities throughout Eugene.	1, 3, 4
Rubus laciniatus	evergreen blackberry	Not as invasive as R. armeniacus, but still forms dense clumps.	1, 3
Sorbus aucuparia	European mountain-ash	Appearing in west Eugene wetlands and uplands. Birds spread seed.	1, 3
Ulex europeaus	gorse	A massive problem on the OR coast, now beginning to appear in the Willamette Valley. Extremely difficult to remove.	1
Vinca major	periwinkle; vinca	Mostly near old homesites -- they appear to spread vegetatively only. Completely dominates understories.	1
Vinca minor	periwinkle; vinca	Mostly near old homesites -- they appear to spread vegetatively only. Completely dominates understories.	1, 3

References:

1. Invasive Gardening and Landscaping Plants of the Southern Willamette Valley, Native Plant Society of Oregon, Emerald Chapter, updated April 2002.
2. Oregon's Quarantine Against Noxious Weeds, Oregon Department of Agriculture, from http://www.oda.state.or.us/Plant/Weed_control/NoxWeedQuar.pdf accessed on 04/10/02.
3. Draft of Exotic Pest Plants of Greatest Ecological Concern in Oregon and Washington; May 23 1997, The Pacific Northwest Exotic Pest Council, from http://www.wnps.org/eppclet.html accessed on 04/10/02,
4. NW Oregon most harmful invasive plant species list: based on information provided at & before the October 10, 2001 meeting in Salem BLM, Bureau of Land Management, Salem District, 2001.
5. City of Eugene staff recommendation based on resources required to remove species from parks, open spaces and waterways.